

SEQUENCE LISTING

<110> Zhou, Ming-Ming

<120> METHODS OF IDENTIFYING MODULATORS OF THE FGF RECEPTOR

<130> 2459-1-002N

<140> UNKNOWN

<141> 2001-01-11

<150> 60/175,867

<151> 2000-01-12

<160> 7

<170> PatentIn Ver. 2.0

<210> 1

<211> 508

<212> PRT

<213> Homo sapien

<400> 1

Met Gly Ser Cys Cys Ser Cys Pro Asp Lys Asp Thr Val Pro Asp Asn
1 5 10 15

His Arg Asn Lys Phe Lys Val Ile Asn Val Asp Asp Asp Gly Asn Glu
20 25 30

Leu Gly Ser Gly Ile Met Glu Leu Thr Asp Thr Glu Leu Ile Leu Tyr
35 40 45

Thr Arg Lys Arg Asp Ser Val Lys Trp His Tyr Leu Cys Leu Arg Arg
50 55 60

Tyr Gly Tyr Asp Ser Asn Leu Phe Ser Phe Glu Ser Gly Arg Arg Cys
65 70 75 80

Gln Thr Gly Gln Gly Ile Phe Ala Phe Lys Cys Ala Arg Ala Glu Glu
85 90 95

Leu Phe Asn Met Leu Gln Glu Ile Met Gln Asn Asn Ser Ile Asn Val
100 105 110

Val Glu Glu Pro Val Val Glu Arg Asn Asn His Gln Thr Glu Leu Glu
115 120 125

Val	Pro	Arg	Thr	Pro	Arg	Thr	Pro	Thr	Thr	Pro	Gly	Phe	Ala	Ala	Gln	130	135	140	
Asn	Leu	Pro	Asn	Gly	Tyr	Pro	Arg	Tyr	Pro	Ser	Phe	Gly	Asp	Ala	Ser	145	150	155	160
Ser	His	Pro	Ser	Ser	Arg	His	Pro	Ser	Val	Gly	Ser	Ala	Arg	Leu	Pro	165	170	175	
Ser	Val	Gly	Glu	Glu	Ser	Thr	His	Pro	Leu	Leu	Val	Ala	Glu	Glu	Gln	180	185	190	
Val	His	Thr	Tyr	Val	Asn	Thr	Thr	Gly	Val	Gln	Glu	Glu	Arg	Lys	Asn	195	200	205	
Arg	Thr	Ser	Val	His	Val	Pro	Leu	Glu	Ala	Arg	Val	Ser	Asn	Ala	Glu	210	215	220	
Ser	Ser	Thr	Pro	Lys	Glu	Glu	Pro	Ser	Ser	Ile	Glu	Asp	Arg	Asp	Pro	225	230	235	240
Gln	Ile	Leu	Leu	Glu	Pro	Glu	Gly	Val	Lys	Phe	Val	Leu	Gly	Pro	Thr	245	250	255	
Pro	Val	Gln	Lys	Gln	Leu	Met	Glu	Lys	Glu	Lys	Leu	Glu	Gln	Leu	Gly	260	265	270	
Arg	Asp	Gln	Val	Ser	Gly	Ser	Gly	Ala	Asn	Asn	Thr	Glu	Trp	Asp	Thr	275	280	285	
Gly	Tyr	Asp	Ser	Asp	Glu	Arg	Arg	Asp	Ala	Pro	Ser	Val	Asn	Lys	Leu	290	295	300	
Val	Tyr	Glu	Asn	Ile	Asn	Gly	Leu	Ser	Ile	Pro	Ser	Ala	Ser	Gly	Val	305	310	315	320
Arg	Arg	Gly	Arg	Leu	Thr	Ser	Thr	Ser	Thr	Ser	Asp	Thr	Gln	Asn	Ile	325	330	335	
Asn	Asn	Ser	Ala	Gln	Arg	Arg	Thr	Ala	Leu	Leu	Asn	Tyr	Glu	Asn	Leu	340	345	350	
Pro	Ser	Leu	Pro	Pro	Val	Trp	Glu	Ala	Arg	Lys	Leu	Ser	Arg	Asp	Glu	355	360	365	
Asp	Asp	Asn	Leu	Gly	Pro	Lys	Thr	Pro	Ser	Leu	Asn	Gly	Tyr	His	Asn	370	375	380	

Gly	Leu	Tyr	Ala	Cys	Val	Thr	Ser	Ser	Pro	Ser	Gly	Ser	Asp	Thr	Thr	100	105	110	
Tyr	Phe	Ser	Val	Asn	Val	Ser	Asp	Ala	Leu	Pro	Ser	Ser	Glu	Asp	Asp	115	120	125	
Asp	Asp	Asp	Asp	Asp	Ser	Ser	Ser	Glu	Glu	Lys	Glu	Thr	Asp	Asn	Thr	130	135	140	
Lys	Pro	Asn	Arg	Arg	Pro	Val	Ala	Pro	Tyr	Trp	Thr	Ser	Pro	Glu	Lys	145	150	155	160
Met	Glu	Lys	Lys	Leu	His	Ala	Val	Pro	Ala	Ala	Lys	Thr	Val	Lys	Phe	165	170	175	
Lys	Cys	Pro	Ser	Ser	Gly	Thr	Pro	Asn	Pro	Thr	Leu	Arg	Trp	Leu	Lys	180	185	190	
Asn	Gly	Lys	Glu	Phe	Lys	Pro	Asp	His	Arg	Ile	Gly	Gly	Tyr	Lys	Val	195	200	205	
Arg	Tyr	Ala	Thr	Trp	Ser	Ile	Ile	Met	Asp	Ser	Val	Val	Pro	Ser	Asp	210	215	220	
Lys	Gly	Asn	Tyr	Thr	Cys	Ile	Val	Glu	Asn	Glu	Tyr	Gly	Ser	Ile	Asn	225	230	235	240
His	Thr	Tyr	Gln	Leu	Asp	Val	Val	Glu	Arg	Ser	Pro	His	Arg	Pro	Ile	245	250	255	
Leu	Gln	Ala	Gly	Leu	Pro	Ala	Asn	Glu	Thr	Val	Ala	Leu	Gly	Ser	Asn	260	265	270	
Val	Glu	Phe	Met	Cys	Lys	Val	Tyr	Ser	Asp	Pro	Gln	Pro	His	Ile	Gln	275	280	285	
Trp	Leu	Lys	His	Ile	Glu	Val	Asn	Gly	Ser	Lys	Ile	Gly	Pro	Asp	Asn	290	295	300	
Leu	Pro	Tyr	Val	Gln	Ile	Leu	Lys	Thr	Ala	Gly	Val	Asn	Thr	Thr	Asp	305	310	315	320
Lys	Glu	Met	Glu	Val	Leu	His	Leu	Arg	Asn	Val	Ser	Phe	Glu	Asp	Ala	325	330	335	
Gly	Glu	Tyr	Thr	Cys	Leu	Ala	Gly	Asn	Ser	Ile	Gly	Leu	Ser	His	His	340	345	350	

Ser	Ala	Trp	Leu	Thr	Val	Leu	Glu	Ala	Leu	Glu	Glu	Arg	Pro	Ala	Val	355	360	365
Met	Thr	Ser	Pro	Leu	Tyr	Leu	Glu	Ile	Ile	Ile	Tyr	Cys	Thr	Gly	Ala	370	375	380
Phe	Leu	Ile	Ser	Cys	Met	Leu	Gly	Ser	Val	Ile	Ile	Tyr	Lys	Met	Lys	385	390	395
Ser	Gly	Thr	Lys	Lys	Ser	Asp	Phe	His	Ser	Gln	Met	Ala	Val	His	Lys	405	410	415
Leu	Ala	Lys	Ser	Ile	Pro	Leu	Arg	Arg	Gln	Val	Thr	Val	Ser	Ala	Asp	420	425	430
Ser	Ser	Ala	Ser	Met	Asn	Ser	Gly	Val	Leu	Leu	Val	Arg	Pro	Ser	Arg	435	440	445
Leu	Ser	Ser	Ser	Gly	Thr	Pro	Met	Pro	Ala	Gly	Val	Ser	Glu	Tyr	Glu	450	455	460
Leu	Pro	Glu	Asp	Pro	Arg	Trp	Glu	Leu	Pro	Arg	Asp	Arg	Leu	Val	Leu	465	470	475
Gly	Lys	Pro	Leu	Gly	Glu	Gly	Cys	Phe	Gly	Gln	Val	Val	Leu	Ala	Glu	485	490	495
Ala	Ile	Gly	Leu	Asp	Lys	Asp	Lys	Pro	Asn	Arg	Val	Thr	Lys	Val	Ala	500	505	510
Val	Lys	Met	Leu	Lys	Ser	Asp	Ala	Thr	Glu	Lys	Asp	Leu	Ser	Asp	Leu	515	520	525
Ile	Ser	Glu	Met	Glu	Met	Met	Lys	Met	Ile	Gly	Lys	His	Lys	Asn	Ile	530	535	540
Ile	Asn	Leu	Leu	Gly	Ala	Cys	Thr	Gln	Asp	Gly	Pro	Leu	Tyr	Val	Ile	545	550	555
Val	Glu	Tyr	Ala	Ser	Lys	Gly	Asn	Leu	Arg	Glu	Tyr	Leu	Gln	Ala	Arg	565	570	575
Arg	Pro	Pro	Gly	Leu	Glu	Tyr	Cys	Tyr	Asn	Pro	Ser	His	Asn	Pro	Glu	580	585	590
Glu	Gln	Leu	Ser	Ser	Lys	Asp	Leu	Val	Ser	Cys	Ala	Tyr	Gln	Val	Ala	595	600	605

Arg Gly Met Glu Tyr Leu Ala Ser Lys Lys Cys Ile His Arg Asp Leu
610 615 620

Ala Ala Arg Asn Val Leu Val Thr Glu Asp Asn Val Met Lys Ile Ala
625 630 635 640

Asp Phe Gly Leu Ala Arg Asp Ile His His Ile Asp Tyr Tyr Lys Lys
645 650 655

Thr Thr Asn Gly Arg Leu Pro Val Lys Trp Met Ala Pro Glu Ala Leu
660 665 670

Phe Asp Arg Ile Tyr Thr His Gln Ser Asp Val Trp Ser Phe Gly Val
675 680 685

Leu Leu Trp Glu Ile Phe Thr Leu Gly Gly Ser Pro Tyr Pro Gly Val
690 695 700

Pro Val Glu Glu Leu Phe Lys Leu Leu Lys Glu Gly His Arg Met Asp
705 710 715 720

Lys Pro Ser Asn Cys Thr Asn Glu Leu Tyr Met Met Met Arg Asp Cys
725 730 735

Trp His Ala Val Pro Ser Gln Arg Pro Thr Phe Lys Gln Leu Val Glu
740 745 750

Asp Leu Asp Arg Ile Val Ala Leu Thr Ser Ser Gln Glu Tyr Leu Asp
755 760 765

Leu Ser Ile Pro Leu Asp Gln Tyr Ser Pro Ser Phe Pro Asp Thr Arg
770 775 780

Ser Ser Thr Cys Ser Ser Gly Glu Asp Ser Val Phe Ser His Glu Pro
785 790 795 800

Leu Pro Glu Glu Pro Cys Leu Pro Arg His Pro Thr Gln Leu Ala Asn
805 810 815

Ser Gly Leu Lys Arg Arg
820

<210> 3
<211> 22
<212> PRT
<213> Mouse

<400> 3
 His Ser Gln Met Ala Val His Lys Leu Ala Lys Ser Ile Pro Leu Arg
 1 5 10 15

Arg Gln Val Thr Val Ser
 20

<210> 4
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:
 tyrosine-phosphorylated peptide

<220>
 <223> X = phosphotyrosine

<400> 4
 Leu Val Ile Ala Gly Asn Pro Ala Xaa Arg Ser
 1 5 10

<210> 5
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: consensus

<220>
 <223> Xaa can be any amino acid

<400> 5
 Val Xaa Xaa Leu Xaa Xaa Xaa Ile Xaa Leu Xaa Arg Xaa Val Xaa Val
 1 5 10 15

<210> 6
 <211> 4
 <212> PRT
 <213> Artificial Sequence

<220>

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<223> X in the 3rd position= any amino acid

<223> X in the 4th position= phosphotyrosine

Asn Pro Xaa Xaa

1

<211> 12

<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic peptide derived from TrkA receptor

His Ile Ile Glu Asn Pro Gln Xaa Phe Ser Asp Ala

1

5

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